

# Charge Pump

## Abstract

A structure comprising a charge pump and a charge pump current controller electrically coupled together, and a method for operating the structure. The charge pump comprises a sourcing current control gate on the charge pump's sourcing current path, and a sinking current control gate on the charge pump's sinking current path. The longer the two inputs of the charge pump are at the opposite levels, the more the charge pump current controller causes the sourcing and sinking current control gates to increase the sourcing and sinking currents flowing through the sourcing and sinking current paths, respectively.